

PDR RID Report

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Document PDR

RID ID	PDR	107
Review	FOS	
Originator Ref		ACK #08
Priority	2	

Section NA

Page NA

Figure Table NA

Category Name Design

Actionee HAIS

Sub Category

Subject Internal EOS Conflict Resolution

Description of Problem or Suggestion:

The P&S design does not include conflict resolution between multiple EOS spacecraft prior to sending TDRS contact requests to the NCC, thus relying on NCC systems and personnel to detect and resolve internal EOS scheduling conflicts.

Originator's Recommendation

Include within the P&S design autonomous conflict detection and resolution among our own multiple EOS spacecraft prior to interacting with the NCC.

GSFC Response by:

GSFC Response Date

HAIS Response by: D. Herring

HAIS Schedule 2/3/95

HAIS R. E. B. Moore

HAIS Response Date 1/20/95

The Planning and Scheduling subsystem design will allow the FOT to define constraints that detect simultaneous EOS spacecraft TDRS contacts. This would allow de-conflicting EOS contact requests before they are sent to the NCC.

However, it may not be best policy for the EOC to send a completely de-conflicted contact request schedule to the NCC. The NCC is the holder of the total contact opportunity picture and has the responsibility of integrating and optimizing TDRS usage. Sending them a de-conflicted contact request will only reduce the number of options that the NCC may consider when building the total contact schedule and thus degrade the optimality of the total TDRS schedule .

Status Closed

Date Closed 2/1/95

Sponsor Johns

***** Attachment if any *****